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Peter Ramanauskas
U.S. EPA Region 5
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Chicago, IL 60604

ENVIRONMENT

Subject:
GE Aviation – Cincinnati/Air Test Facility
Data Summary of Initial Air Sampling Event – January 2013

Date:
February 8, 2013

Dear Mr. Ramanauskas:

On January 31, 2013, GE Aviation, an operating division of the General Electric Company (GE), performed air testing activities at the Altitude Test Facility (ATF) at GE's facility in Cincinnati, Ohio, in accordance with GE's *PCB Indoor Ambient Air Monitoring Plan During Short-Term Engine Testing Plan* (Air Monitoring Plan), submitted to EPA on January 8, 2013.

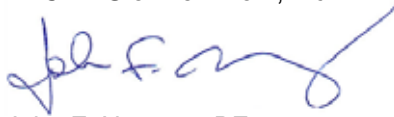
Air test sample ATF-AR-C43-01, located within the Test Cell #43 room of the ATF, and air test sample ATF-AR-CR2-01, located on the second floor of the compressor room, were both taken over an 8-hour interval. The jet engine being tested was operating for three and a half hours during the 8 hours that the air samples were being collected. For a number of technical reasons, the testing process for this engine has not yet included a period of 8 hours of uninterrupted operations.

Both air pumps were placed in a manner such that the air sample would be collected from the breathing zone. Calibration and preparation of air samples followed Method T0-10A: Compendium of Methods for Toxic Organic Air Pollution. The laboratory analytical results of the sampling event are provided in the Data Summary Table, attached as Table 1 and the sampling locations are provided on the attached Figure 1. As indicated in the attachments, the result for the sample near Test Cell #43 was 68.7 ng/m³, and non-detect for the other sample (with an analytical detection limit of 41 ng/m³).

Please do not hesitate to contact Jennifer Shea, Counsel for Environmental Affairs at GE Aviation, at (513) 243-4256 or Christopher Bell at Sidley Austin LLP at (713) 495-4508 if you have any questions.

Sincerely,

ARCADIS of New York, Inc.

A handwritten signature in blue ink, appearing to read 'John F. Novotny', with a stylized flourish at the end.

John F. Novotny, PE
Senior Engineer

Attachments

Table 1

Figure 1

Copies:

Susan Perdomo, GE

Jennifer Shea, GE

Christopher Bell, Sidley Austin, LLP

Table 1
Data Summary - PCB Air Monitoring - January 2013

GE - Aviation - Altitude Test Facility
Cincinnati, Ohio

Sampling ID	Date Collected	Sample Type	Total PCBs (ng/m ³)	Location Description
Event 1				
ATF-AR-C43-01	1/31/2013	Air	68.7	Cell 43 open floor area
ATF-AR-CR2-01	1/31/2013	Air	ND (41.7)	Second floor of Compressor Room

Notes:

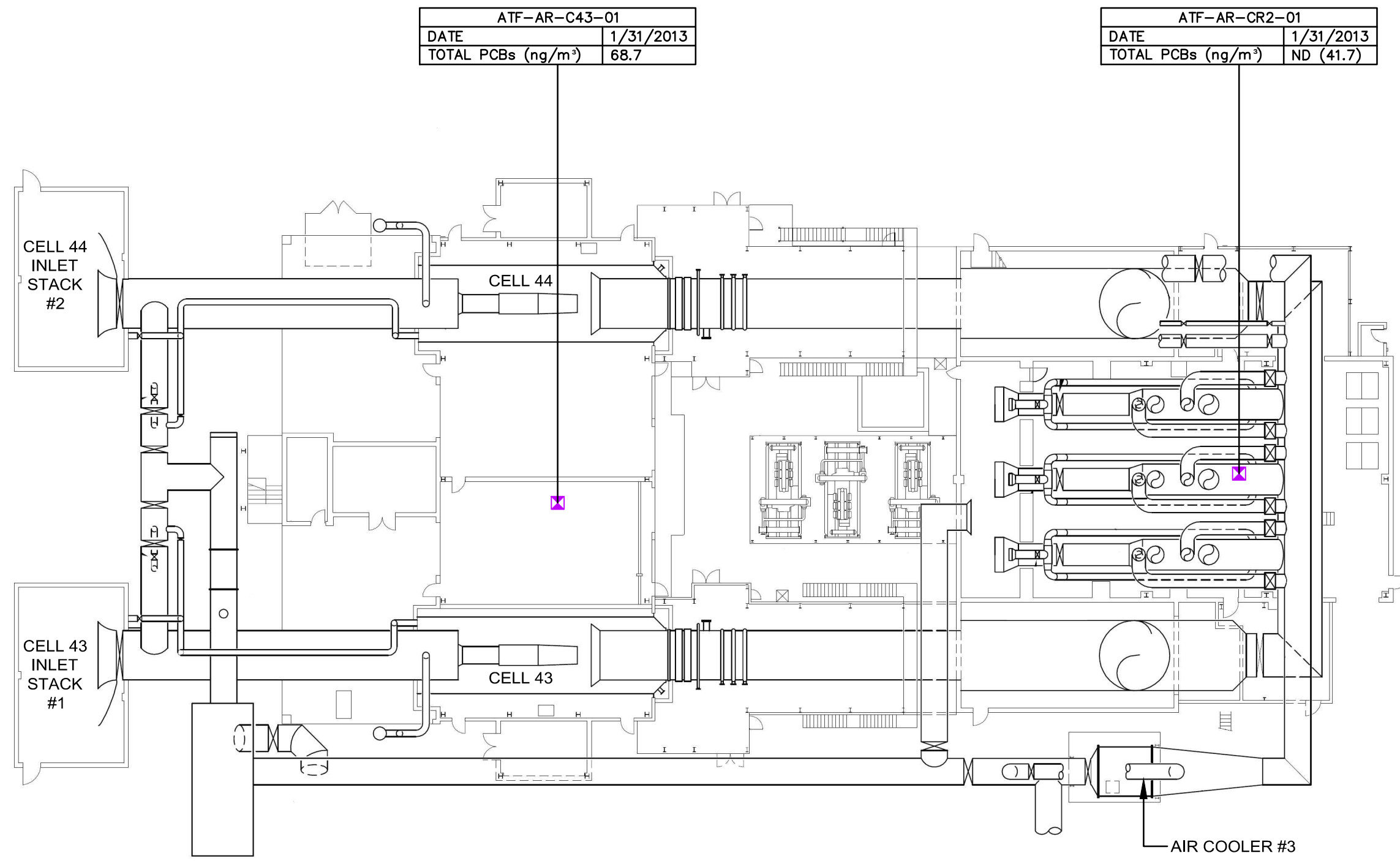
1. Samples collected by ARCADIS personnel and submitted to Pace Analytical Laboratory for analysis using USEPA Compendium Method TO-10A procedures.
2. Air pumps were set up at breathing zone height and collection was completed over an 8-hour interval at approximately 5 L/min resulting in approximately 2,400 L of air pulled through the puff for each sample.
3. Event 1 took place at the ATF on January 31, 2013.

Abbreviations:

ATF - Altitude Test Facility
AR - PCB air sample
C43 - test cell #43
CR2 - compressor room-second floor
PCBs - polychlorinated biphenyls
ng/m³ - nanograms per cubic meter
ND - Non-detect (analytical detection limit shown in parenthesis)

CITY: SYRACUSE, NY DIV: GROUP: ENV/CAD DB: L POSEMAUER LD: (Opt) PIC: (Opt) PM: CAVERILL TM: (Opt) LVR: (Opt) ON: "OFF" REF: V:\ENV\CAD\SYRACUSE\ACT\CB0031231\0000\00003\DWG\AIRMON31231C01.dwg LAYOUT: 1 SAVED: 2/8/2013 9:26 AM ACADVER: 18.1 (S (LMS TECH) PAGES: 10 PLOT: 2/8/2013 9:26 AM BY: POSEMAUER, LISA

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LEGEND:

✕ AMBIENT PCB AIR MONITORING LOCATION


SAMPLING NOMENCLATURE:

ATF – ALTITUDE TEST FACILITY
AR – PCB AIR SAMPLE
C43 – TEST CELL #43
CR2 – COMPRESSOR ROOM SECOND FLOOR

NOTES:

1. SAMPLING LOCATIONS ARE APPROXIMATE.
2. ng/m³ – NANOGRAMS PER CUBIC METER
3. ND – NON-DETECT (ANALYTICAL DETECTION LIMIT SHOWN IN PARENTHESIS)

NOT TO SCALE

GE-AVIATION CINCINNATI, OHIO	
DATA SUMMARY - PCB RESULTS AMBIENT PCB AIR MONITORING	
	FIGURE 1